

Figure 1a

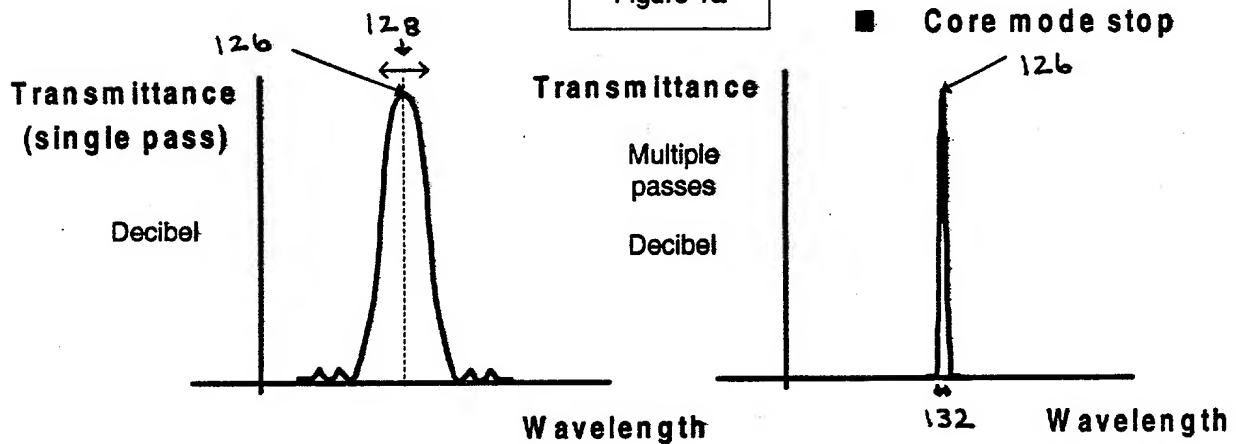
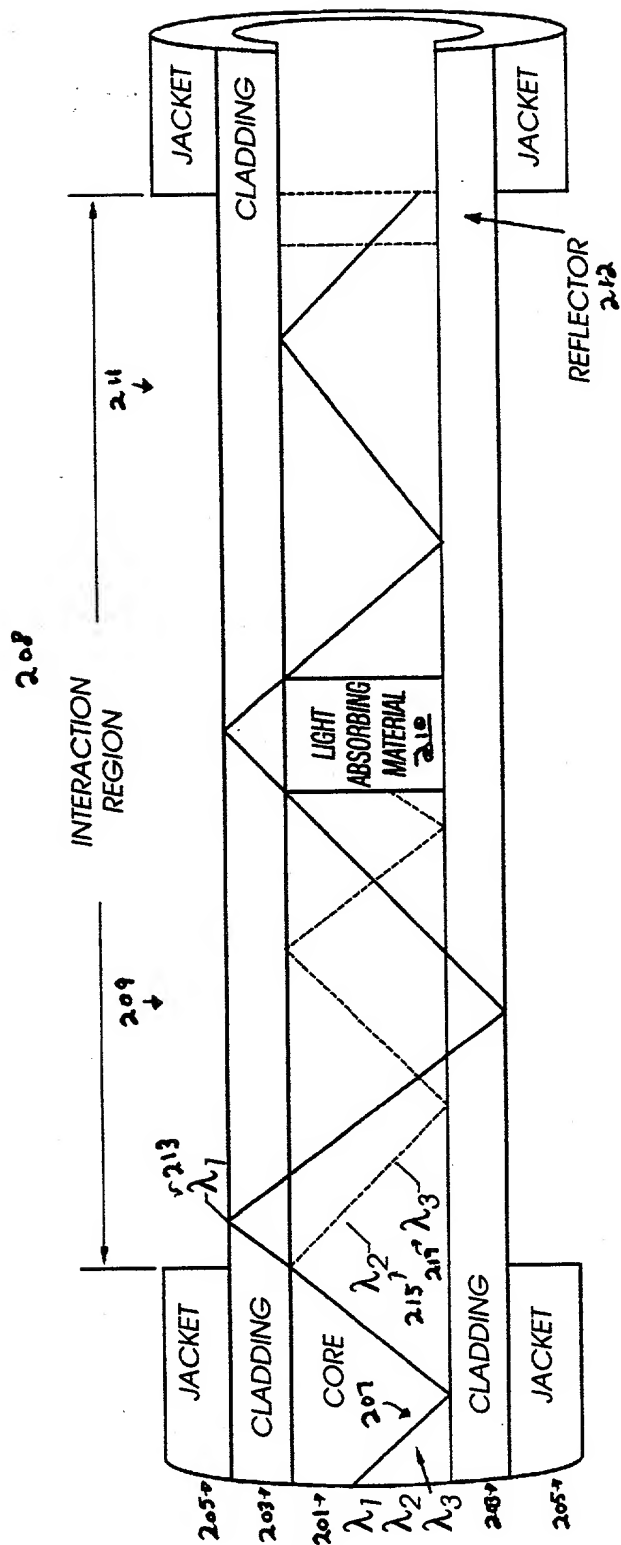


Figure 1b



$\lambda_1 = 1550\text{nm}$

$\lambda_2 = 1554\text{nm}$

$\lambda_3 = 1555\text{nm}$

FIGURE 2

Tunable wide band filter  
with a small insertion loss

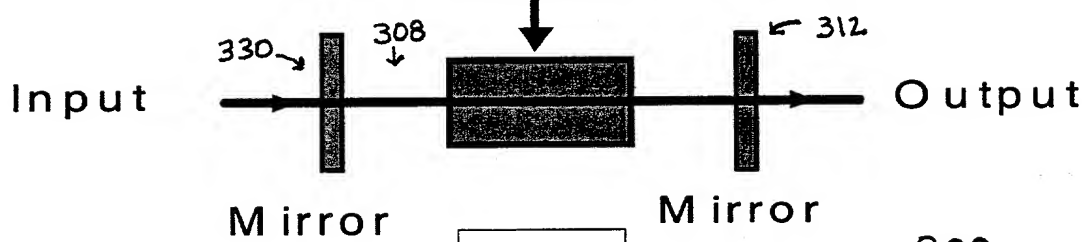


Figure 3

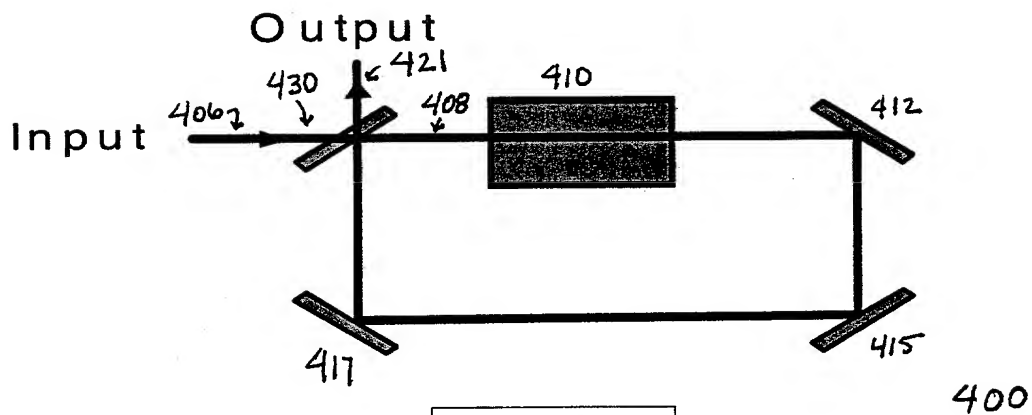


Figure 4

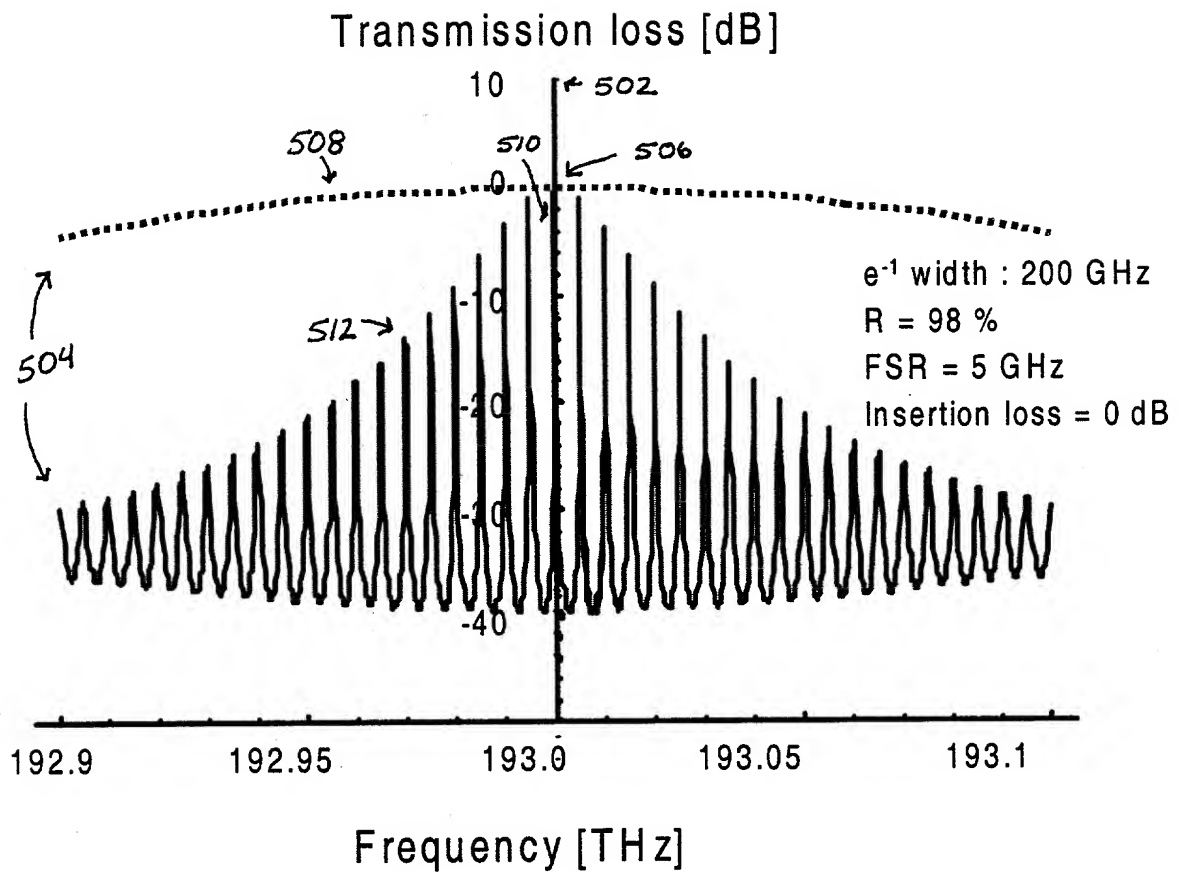


Figure 5

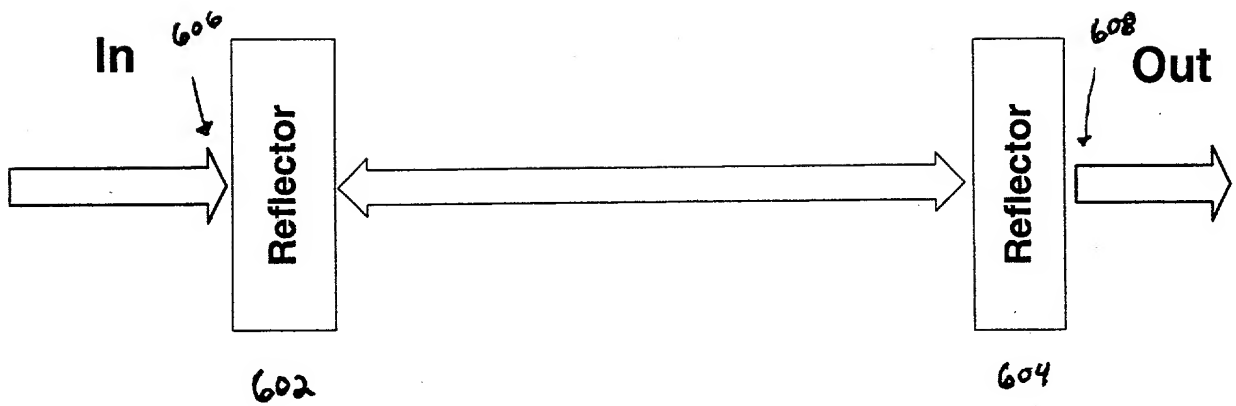


Figure 6

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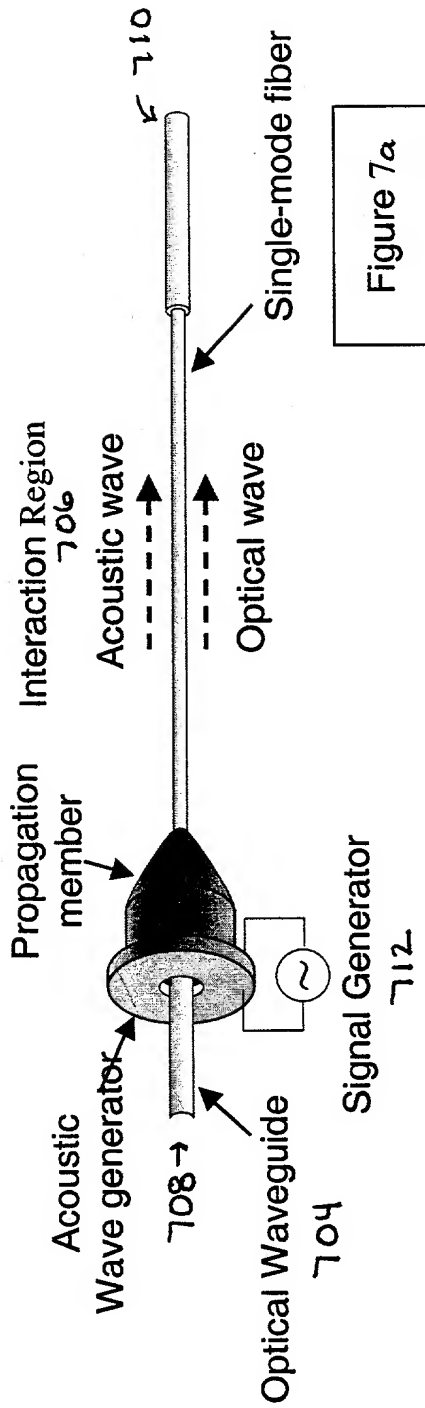


Figure 7a

Full Control of Notch Placement and Depth

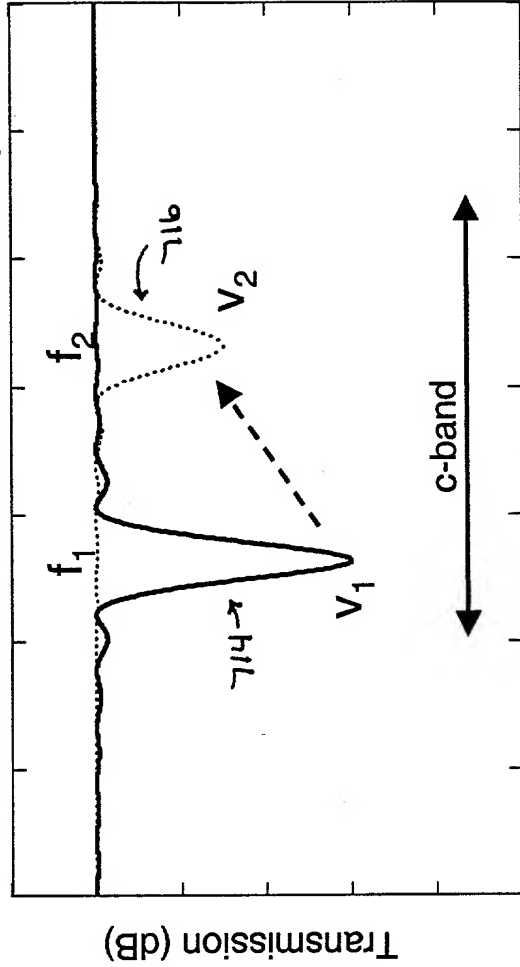


Figure 7b

# Cascaded Filter Response

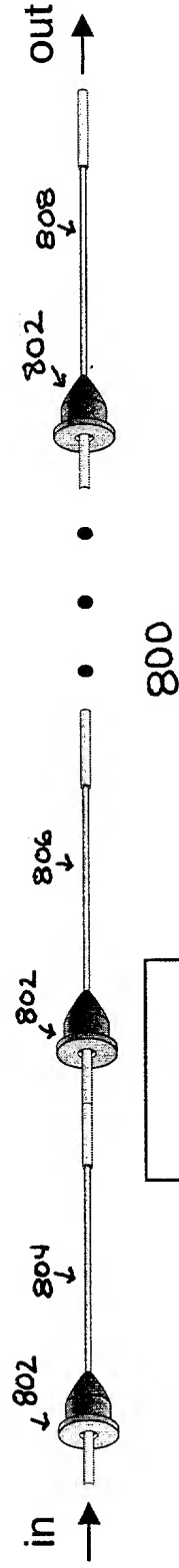


Figure 8a

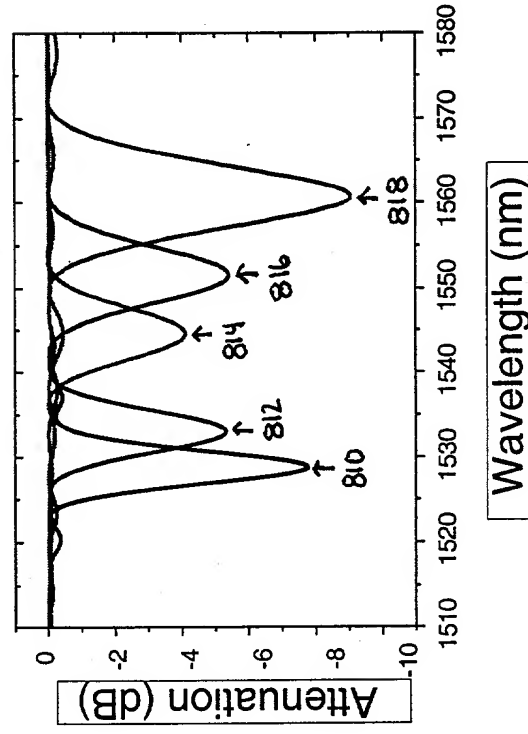


Figure 8b

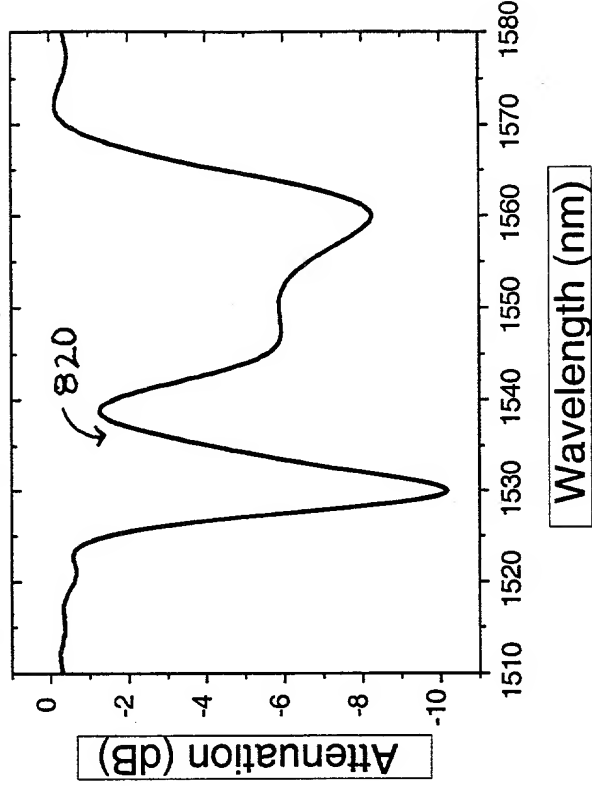


Figure 8c

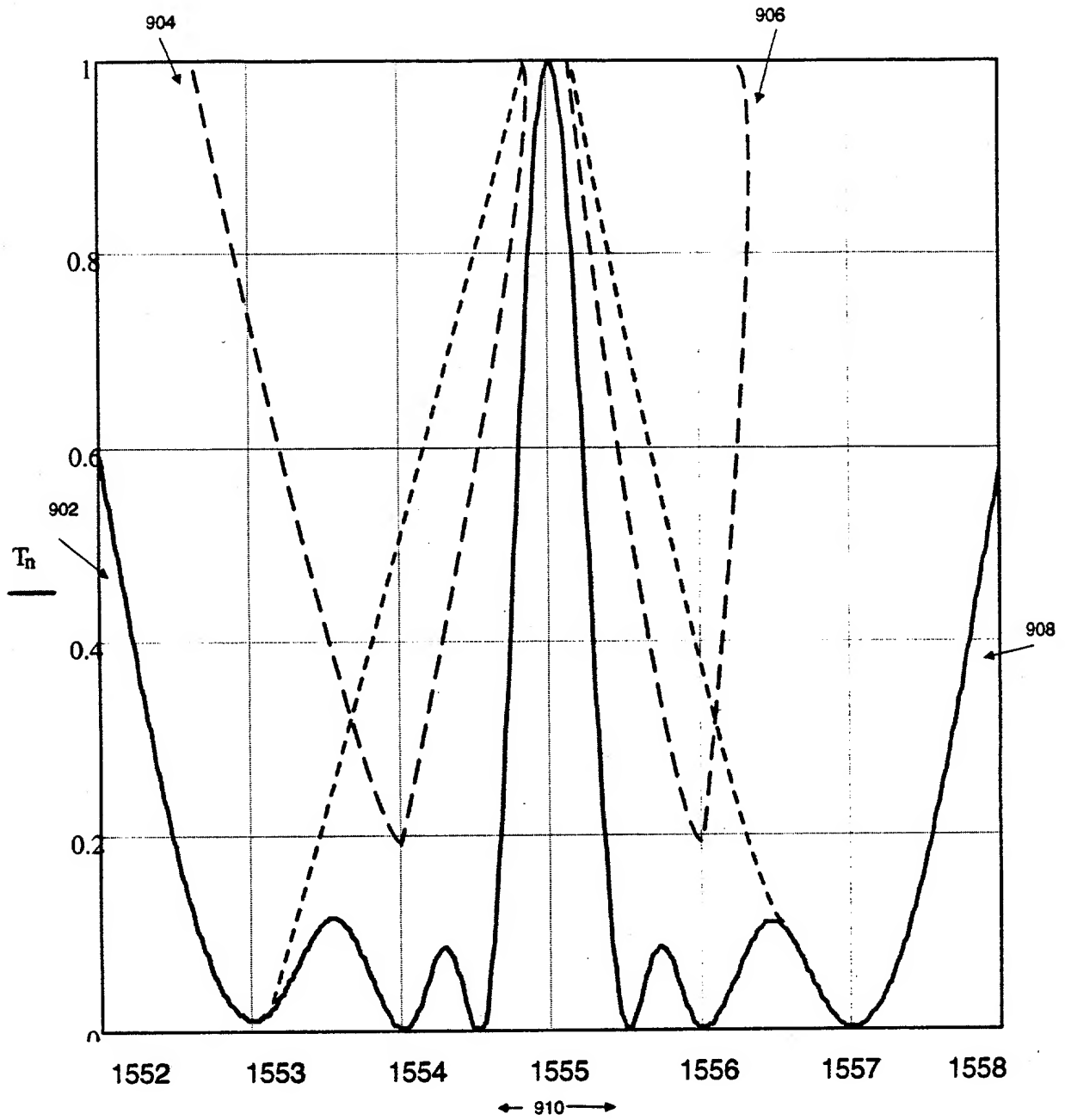


Figure 9



# Dynamic Filter for Optical Amplifier Gain Shaping

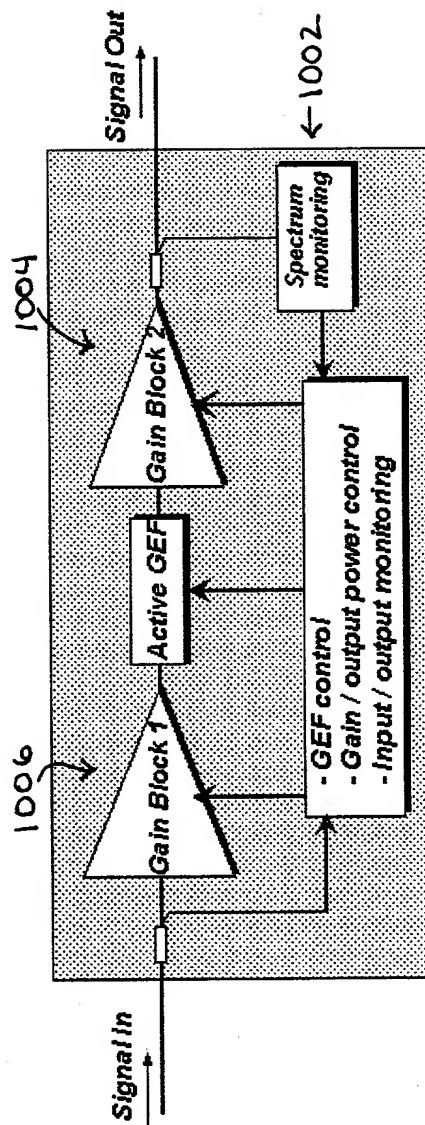


Figure 10